

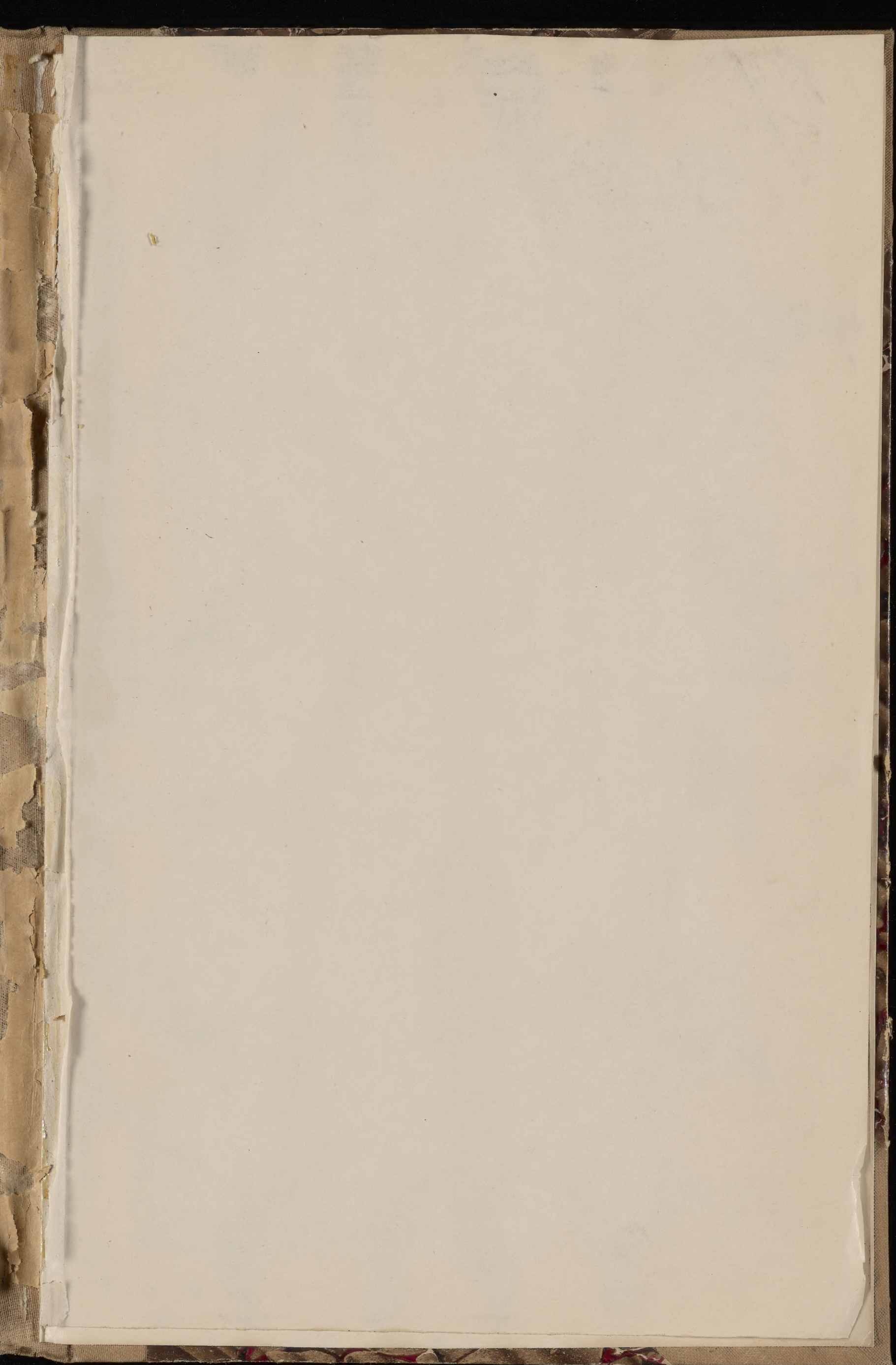
M  
656  
1788L



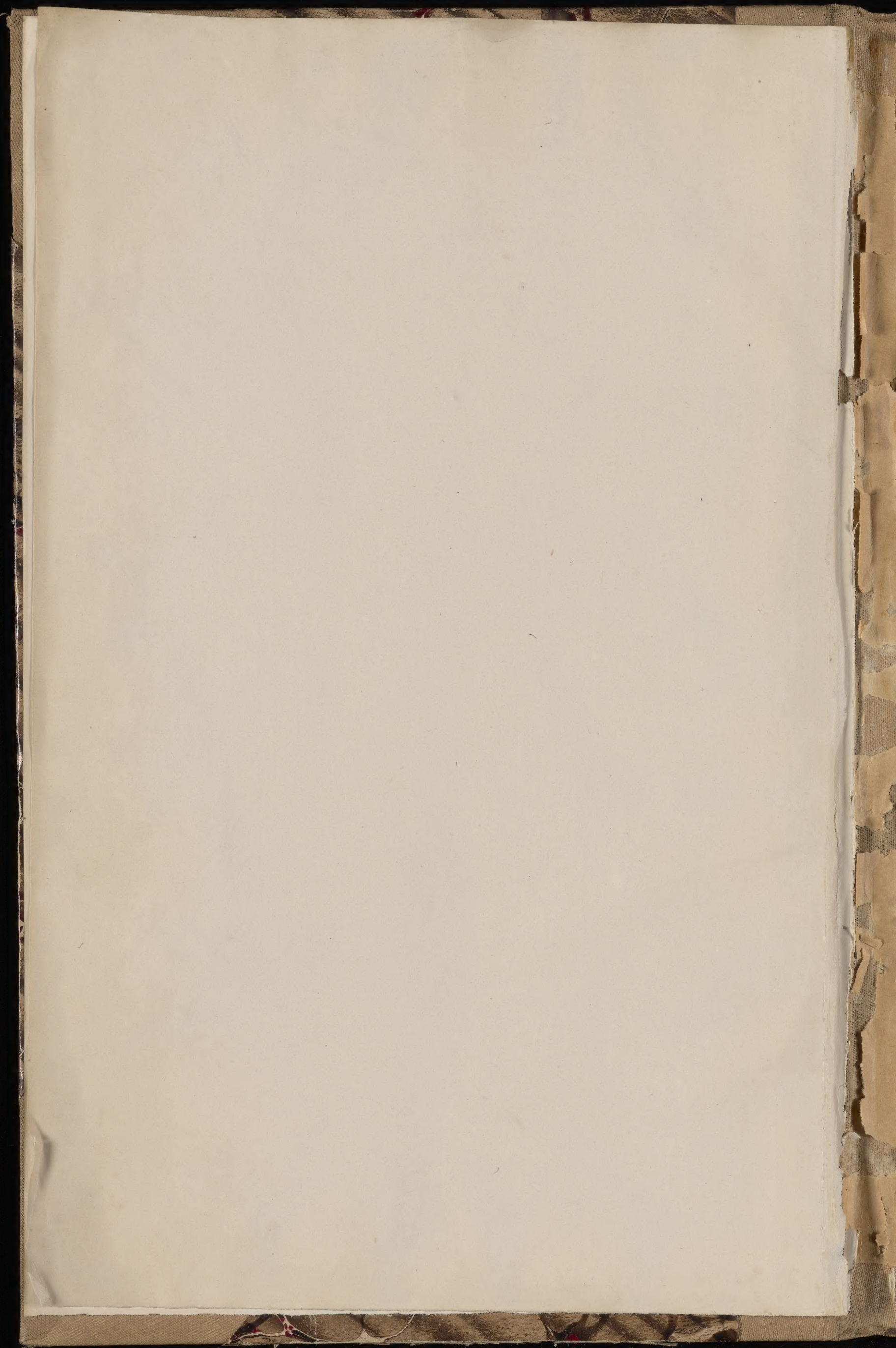


M  
656  
1788L











			Course	Wind	Remarks on Tuesday Sept 4 <sup>th</sup> 1788
2	3		SW	W	This 24 hours Begins Moderate and Cloudy at 1 p
4	3		SW	W	Lost Sight of the Seaw and him took in the g
6	3		SW	W	Popsail
8	3		SW	W	
10	3		SW	W	
12	3		SW	W	
2	3		SW	W	
4	3		SW	W	
6	2		SW	W	
8	3		SW	W	
10	4		SW	W	
12	2		SW	W	

Middle part fresh Breeze  
 With Small Rain tack S  
 to the Southward a 5th tack S  
 The Southward a 6th tack S at the fore Popsail  
 a 9th tack S at the fore Popsail  
 Latter part fresh Breeze and Cloudy  
 Lat Observed in 58:03 North

Course	Dist	Diff Lat	Dep	Lat by Dr	Mer Distance	Diff of Long	Long in
N 78 W	53	11	52	58:01	122	1:36	7:5

			Course	Wind	Remarks on Friday Sept 5 1788
2	2	1	SW	W	This 24 hours Begins Moderate and Cloudy all Sails Set
4	2	1	SW	W	at 10 pm the Wind Breezed up to the Eastward
6	1	1	SW	W	
8	1	1	SW	W	
10	1	1	SW	W	
12	1	1	SW	W	
2	2	1	SW	W	
4	2	1	SW	W	
6	2	1	SW	W	
8	2	1	SW	W	
10	2	1	SW	W	
12	2	1	SW	W	

Middle part Moderate Breeze and Cloudy all Sails  
 at 8 Am the Vaire of Norway Bore N 78 E dist  
 Latter part fresh Breeze and Cloudy via some  
 Variable Lat Observed 58:08 North

Course	Dist	Diff Lat	Dep	Lat by Dr	Mer Distance	Diff of Long	Long in
N 78 W	62	5	61	58:08	183	1:55	5:10

			Course	Wind	Remarks on Saturday Sept 6 <sup>th</sup> 1788
2	7		SW	W	This 24 hours Begins With a fresh Breeze and Cloudy
4	6		SW	W	all Sails Set at 3 PM Lost Sight of the Land More Moderate
6	6		SW	W	
8	5	1	SW	W	
10	5	1	SW	W	
12	5	1	SW	W	
2	5	1	SW	W	
4	5	1	SW	W	
6	6		SW	W	
8	7		SW	W	
10	7		SW	W	
12	7		SW	W	

Middle part fine Breeze  
 Latter part fine Breeze and Cloudy all Sails  
 No Observation to Day

Course	Dist	Diff Lat	Dep	Lat by Dr	Mer Dist	Diff of Long	Long in
N 78 W	117	56	136	59:04	319	4:17	9:27



Wind NNE  
 Remarks on ~~Friday~~ <sup>Sunday</sup> Sept 7th 1788  
 first Part of this 24 hours Begins Moderate and Cloudy  
 All Sails Set people Employed in Survey  
 Look about the Vessel

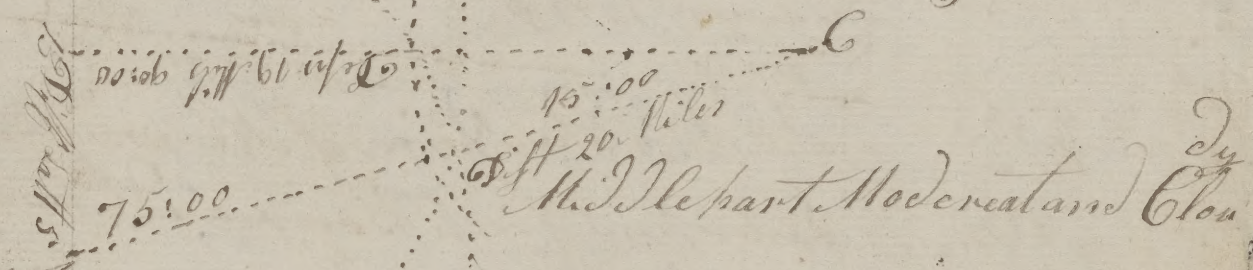
W. S. W.

South  
 Lat 3 Miles  
 Dist 50 Miles

Middle part Moderate and Cloudy  
 I got in the fore Topsail and flying  
 Jibb Latter part fresh Breeze and head Sea  
 With Small Rain No obs to Day

Cour	Lat	Diff	Lat	Dep	Lat	By	Mer	Dist	Diff of Long	Long in
N 156	3	56	59:45		92				1:52	4:42

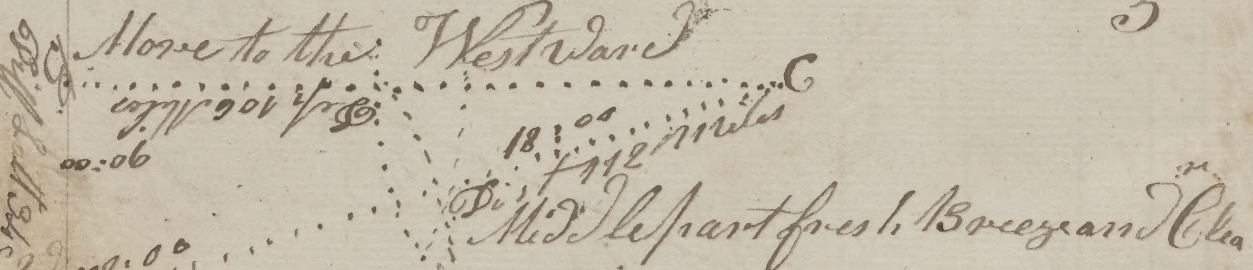
KIK Course Wind Remarks on Monday Sept 8th 1788  
 2 Calm This 24 hours Begins Calm and Cloudy at 4 Pm  
 4 the Wind Breeze Dr to the Southward at 6 Pm fair  
 6 2 N. W. South Island Bore ESE Distance 4 Leagues  
 8 2  
 10 2  
 12 2



Calm  
 Latter part Moderate and Cloudy all Sails Set  
 Lat Observed 59:42 North

Cour	Lat	Diff	Lat	Dep	Lat	By	Mer	Dist	Diff of Long	Long in
N 156	5	19	59:42		36				37	2:50

HIK Course Wind Remarks on ~~Friday~~ <sup>Sunday</sup> Sept 1st 1788  
 2 5 1 N. W. S. S. W. This 24 hours Begin with a fine Breeze and Cloudy  
 6 All Sails Set at 8 Pm the Wind Inclining  
 8 More to the Westward



S. S. W. at 8 A.M. fair Island Bore NE Dist 4 Leagues  
 at Meriden fair Island Bore ESE Dist 6 Leagues  
 From which is taken My Departure  
 Lat Observed 59:37 North

Cour	Lat	Diff	Lat	Dep	Lat	By	Mer	Dist	Diff of Long	Long in
N 156	42		59:37		42				3:26	2:15 West



Hour	Course	Wind	Remarks
2	2	1	WNW SE
4	1	1	NW West
6	1	1	NW WSE
8	4		WNW WbS
10	6	1	WNW WbS
12	5	1	WNW WbS
2	3		NW WbS
4	3		NW WbS
6	3		NW WbS
8	2	1	
10	2	1	
12	2		

This 24 hours begins More Moderate and Cloudy  
 at 6 pm Set the fore topsail and flying Jib  
 and took in the fore topsail and flying Jib  
 fresh Breezes and Rain  
 22 Miles  
 68 Miles  
 Latter part fresh Gale and Cloudy  
 Meriden took 2 Reefs in the Main and fore  
 Sail Lat Observed Co. 29 North

Course	Dist	Diff Lat	Dep	Lat by Dr	Mer Dist	Diff Long	Long in
N 68 W	60	25	60	60 09	152	2 00	6 42

Hour	Course	Wind	Remarks
2	2	1	NW WbS
4	2	1	NW WbS
6	2		NW WbS
8	1	1	NW WbS
10	2		NW WbS
12	1	1	NW WbS
2	2		NW WbS
4	2		NW WbS
6	1	1	NW WbS
8	1	1	NW WbS
10	2		NW WbS
12	2	1	NW WbS

This 24 hours begins With a fresh Gale and Cloudy  
 attended With squalls of  
 Rain at 4 PM Ballance  
 The Jib fresh Gale and a  
 Large Sea  
 Middle part fresh Breeze and Cloudy  
 at 4 pm tack Ship to the Westward the  
 Inclining to the Northward and Set out all  
 Reefs and Set the fore top sail and flying Jib  
 More Moderate the Wind Inclining to the Westward  
 at 10 pm tack Ship to the northward  
 Latter part Moderate and Cloudy a Large Swell  
 from the Westward Lat Obs Co. 24 North

Course	Dist	Diff Lat	Dep	Lat by Dr	Mer Dist	Diff Long	Long in
N 68 W	34	15	30	60 24	182	1 00	7 42

Hour	Course	Wind	Remarks
2	3	1	NW WbS
4	3	1	NW WbS
6	3		NW WbS
8	3	1	NW WbS
10	4		NW WbS
12	4		NW WbS
2	3		NW WbS
4	2	1	NW WbS
6	2	1	NW WbS
8	3		NW WbS
10	2	1	NW WbS
12	2	1	NW WbS

First part of this 24 hours begins Moderate  
 and a Large Swell from the Westward  
 attended With squalls of Rain at 3 pm took  
 the fore topsail and took in the flying Jib  
 Middle part fresh Gale With Rain  
 Heavy Sea from the Westward took 2  
 In the Main and fore Sail and Ballance  
 The Jib and at 10 pm Set out the Ballance  
 Moderate Latter part fresh Gale and a  
 Lat Observed Co. 20 North

Course	Dist	Diff Lat	Dep	Lat by Dr	Mer Dist	Diff Long	Long in
N 68 W	47	25	60	60 53	232	2 00	9 42



M I K K K Courses Winds Remarks on Saturday September 13 1788  
 2 3 N W W S W first Part of this 24 hours Begins With Strong  
 Gale of Wind and a Large Sea 2 P M Ballene  
 The Tibb

Middle part fresh Gales and Cloudy attended  
 With heavy Squalls

2 P M Set the hole Tibb More Moderate and a  
 Large Sea

Latter part Moderate and a Large Sea attended With  
 Squalls of Rain

Latt Observed Co: 37 North  
 Courses Dist Diff Latt Dep Latt by D R Mer Dist Diff of Long Long in  
 N 34 W 53 44 29 9 61:37 261 11:08 10:25

M I K K K Courses Winds Remarks on Sunday Sept 14 1788  
 2 2 S W by S W by N This 24 hours Begins With Moderate 1 P M tack  
 4 2 1 S W by W N W by W Ship to the Southward 2 P M tack Let out all the Keefs  
 More Moderate attended With Squalls of Rain

Middle part fresh Breezes and a Large Sea

2 P M tack Ship to the Northward the Wind  
 Inclining More to the Southward

6 2 1 S W by S W by N Latter part fresh Breezes and Cloudy the Wind  
 8 2 1 N W W S W Inclining More to the Westward

Latt Observed Co: 33 North

Courses Dist Diff Latt Dep Latt by D R Mer Dist Diff of Long Long in  
 S 44 W 66 1:25 16 60:23 272 33 10:58

M I K K K Courses Winds Remarks on Monday Sept 15 1788  
 2 1 1 S W by S W by N This 24 hours Begins With a fresh Breeze and Cloudy  
 4 2 1 1 P M tack Ship to the South Ward 7 tack Ship  
 to the Northward

N W W S W Middle part fresh Gales and Cloudy 2 P M tack  
 W N W S W took Keefs in the fore Sail and in the Main Sail  
 2 P M Ballence the Tibb 8 P M took 3 Keefs  
 in the Main Sail

W by N S S W

Latter part Strong Gales and a Large Sea the  
 Wind Inclining More to the Southward

No Obz to Day

Latt by D R Mer Dist Diff of Long Long in 2  
 60:15 316 218 10:48 13:06



HR	FK	Courses	Winds	Remarks on Tuesday Sept 16 1788
2	6	Wby N	South	This 24 hours Begins With a fresh Gale and Cloudy at 1 Pm handed the Mainsail back Gallies and a Large Sea at 7 Set the hole Tibb at 9 Set the Single Reef Mainsail and hole fore Sail. More Moderate
4	5			
6	5			
8	5			
10	6			
12	7	West	South	Middle part fresh Breezes and Cloudy Reef
2	6			The Tibb and took 3 Reef in the Mainsail fore Breezes With Rain at 8 Am Set the hole Tibb and Single Reef Mainsail. More Moderate
4	6			
6	5			
8	2	NW by W	SW by W	Latter part fresh Breezes and Cloudy at Meridian
10	2	WN by W	SW	Reefed the Tibb and fore sail
12	2			

Latt Observed 59:53 North

Cours	Dist	Diff Latt	Dep	Latt by D R	Mer Dist	Diff of Long	Long in
S 79 W	116	23	113	59:53	429	3:46	16:52

HR	FK	Courses	Winds	Remarks on Wednesday Sept 17 1788
2	3	W by N	SW by S	This 24 hours Begins With a fresh Breeze and Cloudy at 4 Pm Set the Reefs out of the fore sail at 6 Set the fore top sail and flying Tibb. More Moderate at 8 Set the Reef out of the Tibb and Mainsail at 9 Tibb took in the fore top sail fresh Breezes and Cloudy
4	3			
6	4	West	South	
8	4			
10	5			
12	5			
2	5	W by S	SE	Middle part More Moderate and Cloudy at 2 AM Set the fore top sail Moderate and Pleasant
4	6			
6	6			
8	5			
10	5			Latter part Moderate and Clear attended With flying Clouds
12	4			

Latt Observed 58:46 North

Cours	Dist	Diff Latt	Dep	Latt by D R	Mer Dist	Diff of Long	Long in
S 54 W	115	19:07	93	58:46	522	3:01	19:43

HR	FK	Courses	Winds	Remarks on Thursday Sept 18 1788
2	4	W by S	SE	This 24 hours Begins Moderate and Clear one of the Main Shroues Gore employed in felling it Again and other Sundries
4	4			
6	3			
8	3			
10	3			
12	3	Ditto	Ditto	Middle part Moderate and Clear a hum
2	3			Swell from the Westward
4	2			
6	2			
8	2			Latter part Moderate and Clear
10	2			
12	2	Ditto	Ditto	

Latt Observed 58:04 North

Cours	Dist	Diff Latt	Dep	Latt by D R	Mer Dist	Diff of Long	Long in
S 52 W	69	42:34	42	58:04	576		



Course		Winds	Remarks on Friday Sept 19 1788			
22	1	Wb.S	South	This 24 hours Begins Moderate and Clear all Sails Set		
42						
62	1	West	SSW	Middle part fresh Breezes and Cloudy		
83						
104	1			In fore took in the fore topsail fresh Breezes and Cloudy		
124	1	Wb.N	SWb.S			
83				Latter part fresh Breezes and Cloudy all Sails Set		
103		West	South			
123		Wb.S	S by W	No Observation to Day		
Course		Dist	Diff Lat	Dep	Lat by D.R.	Mer Dist
173	14	21	70	57.43	64.6	2.42

Course		Winds	Remarks on Saturday Sept 20 1788			
23		Wb.N	SWb.S	This 24 hours Begins With a fresh Breezes and Cloudy and a Large Swell from the West		
43						
63				Middle part Moderate and Cloudy Set the fore topsail		
83	1					
104		Wb.S	South	In the fore took in the fore topsail fresh Breezes With Rain		
124	1					
25	1			No Observation to Day		
45	1					
64	1	West	SBW	In the fore took in the fore topsail fresh Breezes With Rain		
84	1					
102				No Observation to Day		
127		WSW	North			
Course		Dist	Diff Lat	Dep	Lat by D.R.	Mer Dist
163	14	45	87	56.51	73.9	2.46

Course		Winds	Remarks on Sunday Sept 21 1788			
28		Wb.S	NNW	This 24 hours Begins With a fresh Breezes and Cloudy all Sails Set		
47	1					
67				In the fore took in the fore topsail fresh Breezes With Rain and the Wind inclining more to the Westward		
87	1					
107				Middle part Calm and Clear attended With flying Clouds and the Wind Breezed up to the S.W. and then took in the fore top sail and then took 2 reefs in the main sail and 2 in the fore sail and kept the ship fresh Breeze With Rain and the Wind inclining to the Westward and the ship to the Southward more Moderate and a Large head Sea		
127	1	Wb.W	SW			
147		West	SSW	Latter part fresh Breezes With Rain and the Wind inclining to the Westward and the ship to the Southward more Moderate and a Large head Sea		
167		Wb.S	SBW			
Course		Dist	Diff Lat	Dep	Lat by D.R.	Mer Dist
153	14	45	87	56.51	73.9	2.46



Hour	Lat	Long	Wind	Remarks
2	12		SW by S	This 24 hours begins with a fresh breeze and cloudy and a broad head sea
4	1			
6	1	1		
8	2	1		
10	2	1		at 4 pm Let the keelson of the fore sail
12	2	1		More Moderate
2	1	2		
4	2	1		Middle part Moderate and Cloudy attended
6	2	1		With squalls of rain
8	2			
10	2	1	SW	Latter part fresh breeze and Cloudy attended
12	2	1	W. N. W.	With squalls of rain

Lat Observed 34:49 North

Hour	Lat	Long	Wind	Remarks
2	3		WSW	This 24 hours begins with a fresh breeze of wind and cloudy at 2 pm took 2 keelsons
4	3		W by S	The fore sail fresh breeze and a large sea
6	3	1		
8	3	1	W by S	Middle part fresh breeze and Cloudy and a large sea attended with squalls of rain
10	3	1	W by S	
12	3	1	W by S	
2	3	1	W by S	
4	3	1	W by S	
6	3	1	W by S	Latter part Wind and Weather as for
8	3	1	W by S	
10	3	1	W by S	
12	3	1	W by S	

No observation to Day

Hour	Lat	Long	Wind	Remarks
2	3		SW by W	This 24 hours begins with a fresh breeze and cloudy and a head sea the wind inclining
4	3			More to the Northward at 4 pm let out all the
6	3			
8	3		N. N. W.	More Moderate
10	3	1	W by S	Middle part Moderate and Cloudy at 2
12	3	1		
2	3	1	SW	Let the flying jib at 6 o'clock. Ship to the
4	3	1	SW	The wind inclining to the Southward so
6	3	1		fore top sail at 10 took in the fore top
8	3	1	W by S	flying jib and took one keelson in the
10	3	1	SSW	Sail Latter part fresh breeze with
12	3	1		

No obs to Day

Hour	Lat	Long	Wind	Remarks
2	3			
4	3			
6	3			
8	3			
10	3			
12	3			



Remarks on Thursday Sept 25 1781			
2	6	1	W by N S by W
4	5		
6	2	1	NW WSW
8	3		
10	2	1	NW by N W by S
12	2	1	
1	2	1	W by W W by N
4	up	W by N of W by S	Drift
6	2		knots per hour
8	2		
10	2		
12	2		
Remarks on Friday Sept 26 1781			
2	up	W by N of W by S	Drift
4	5		5 knots per hour
6	2		
8	2		
10	2		
12	2		
Remarks on Saturday Sept 27 1781			
2	2	1	SW by S W by N
4	2	1	
6	2	1	
8	2	1	
10	2	1	
12	2	1	
Remarks on Sunday Sept 28 1781			
2	2	1	SW by S W by N
4	2	1	
6	2	1	
8	2	1	
10	2	1	
12	2	1	

Remarks on Thursday Sept 25 1781			
2	6	1	W by N S by W
4	5		
6	2	1	NW WSW
8	3		
10	2	1	NW by N W by S
12	2	1	
1	2	1	W by W W by N
4	up	W by N of W by S	Drift
6	2		knots per hour
8	2		
10	2		
12	2		
Remarks on Friday Sept 26 1781			
2	up	W by N of W by S	Drift
4	5		5 knots per hour
6	2		
8	2		
10	2		
12	2		
Remarks on Saturday Sept 27 1781			
2	2	1	SW by S W by N
4	2	1	
6	2	1	
8	2	1	
10	2	1	
12	2	1	
Remarks on Sunday Sept 28 1781			
2	2	1	SW by S W by N
4	2	1	
6	2	1	
8	2	1	
10	2	1	
12	2	1	

Remarks on Thursday Sept 25 1781			
2	6	1	W by N S by W
4	5		
6	2	1	NW WSW
8	3		
10	2	1	NW by N W by S
12	2	1	
1	2	1	W by W W by N
4	up	W by N of W by S	Drift
6	2		knots per hour
8	2		
10	2		
12	2		
Remarks on Friday Sept 26 1781			
2	up	W by N of W by S	Drift
4	5		5 knots per hour
6	2		
8	2		
10	2		
12	2		
Remarks on Saturday Sept 27 1781			
2	2	1	SW by S W by N
4	2	1	
6	2	1	
8	2	1	
10	2	1	
12	2	1	
Remarks on Sunday Sept 28 1781			
2	2	1	SW by S W by N
4	2	1	
6	2	1	
8	2	1	
10	2	1	
12	2	1	



Hour	Bar	Temp	Wind	Remarks
2	3		SW 6	Remarks on Sunday Sept 26 1880
4	2	1	SW 6	The first part of this 24 hours began with a light breeze and clearing at 10 AM took 3 barrels in
6	2	1		head sail and set the fore top sail
8	2	1		and clearing
10	2	1		
12	2	1		
2	2	1		
4	2	1		
6	2	1	West	At the fore top sail flying 100. More than
8	2	1		
10	2	1	WSW	Latter part moderate clear all hands busy
12	2	1		preparing the rigging and sails

Hour	Bar	Temp	Wind	Remarks
2	3		SW 6	Remarks on Sunday Sept 27 1880
4	2	1	SW 6	The first part of this 24 hours began with a light breeze and clearing at 10 AM took 3 barrels in
6	2	1		head sail and set the fore top sail
8	2	1		and clearing
10	2	1		
12	2	1		
2	2	1		
4	2	1		
6	2	1	West	At the fore top sail flying 100. More than
8	2	1		
10	2	1	WSW	Latter part moderate clear all hands busy
12	2	1		preparing the rigging and sails

Hour	Bar	Temp	Wind	Remarks
2	3		SW 6	Remarks on Sunday Sept 28 1880
4	2	1	SW 6	The first part of this 24 hours began with a light breeze and clearing at 10 AM took 3 barrels in
6	2	1		head sail and set the fore top sail
8	2	1		and clearing
10	2	1		
12	2	1		
2	2	1		
4	2	1		
6	2	1	West	At the fore top sail flying 100. More than
8	2	1		
10	2	1	WSW	Latter part moderate clear all hands busy
12	2	1		preparing the rigging and sails

Hour	Bar	Temp	Wind	Remarks
2	3		SW 6	Remarks on Sunday Sept 29 1880
4	2	1	SW 6	The first part of this 24 hours began with a light breeze and clearing at 10 AM took 3 barrels in
6	2	1		head sail and set the fore top sail
8	2	1		and clearing
10	2	1		
12	2	1		
2	2	1		
4	2	1		
6	2	1	West	At the fore top sail flying 100. More than
8	2	1		
10	2	1	WSW	Latter part moderate clear all hands busy
12	2	1		preparing the rigging and sails

Hour	Bar	Temp	Wind	Remarks
2	3		SW 6	Remarks on Sunday Sept 30 1880
4	2	1	SW 6	The first part of this 24 hours began with a light breeze and clearing at 10 AM took 3 barrels in
6	2	1		head sail and set the fore top sail
8	2	1		and clearing
10	2	1		
12	2	1		
2	2	1		
4	2	1		
6	2	1	West	At the fore top sail flying 100. More than
8	2	1		
10	2	1	WSW	Latter part moderate clear all hands busy
12	2	1		preparing the rigging and sails

Hour	Bar	Temp	Wind	Remarks
2	3		SW 6	Remarks on Sunday Sept 31 1880
4	2	1	SW 6	The first part of this 24 hours began with a light breeze and clearing at 10 AM took 3 barrels in
6	2	1		head sail and set the fore top sail
8	2	1		and clearing
10	2	1		
12	2	1		
2	2	1		
4	2	1		
6	2	1	West	At the fore top sail flying 100. More than
8	2	1		
10	2	1	WSW	Latter part moderate clear all hands busy
12	2	1		preparing the rigging and sails



Camp				Remarks on Weather Oct 1 1788			
2	2	W	W	W	W	W	W
4	2	1					
6	3	1					
8	3	1					
10	4		W	W	W	W	W
12	4	1					
4	3	1					
6	2	1	W	W	W	W	W
8	3		W	W	W	W	W
10	4	1					
12	3						

Barometer	Thermometer	Wind	Direction	Force	Remarks
29.59	74	W	W	W	W

Camp				Remarks on Weather October 2 1788			
2	1	W	W	W	W	W	W
4	2						
6	3	1	W	W	W	W	W
8	3		W	W	W	W	W
10	4	1					
12	1						
4	1						
6	1						
8	1						
10	1						
12	1						

Barometer	Thermometer	Wind	Direction	Force	Remarks
29.59	74	W	W	W	W

Camp				Remarks on Weather October 3 1788			
2	1	W	W	W	W	W	W
4	1						
6	5	1					
8	6						
10	6						
12	6						
4	6						
6	6						
8	6						
10	6						
12	6						

Barometer	Thermometer	Wind	Direction	Force	Remarks
29.59	74	W	W	W	W

Camp				Remarks on Weather October 4 1788			
2	1	W	W	W	W	W	W
4	1						
6	5	1					
8	6						
10	6						
12	6						
4	6						
6	6						
8	6						
10	6						
12	6						

Barometer	Thermometer	Wind	Direction	Force	Remarks
29.59	74	W	W	W	W



Time	Course	Wind	Remarks
2 6	West	1 20	Remarks on Saturday Oct 21 1882
4 6			This 2 hours Begins with fresh breeze and
6 7			Clear all sails set
8 7 1			
10 8 1			
12 8 1	Diff	3 15	Middle part fresh breeze and clearing
2 8 1			Wind inclining to the Southward
4 8 1			
6 7 1		South	
8 7			
10 5 1			Latter part Moderate and Clear all sails set
12 3 1			Lull for Clear all sails set

Time	Course	Wind	Remarks
11 23	11 23	1 15	16 12
13 63			23 14

Time	Course	Wind	Remarks
2 3	West	North	Remarks on Sunday Oct 22 1882
4 2 1			This 2 hours Begins Moderate and Clear all sails set
6 1 1			
8 1 1		South	At 8 Pm the Wind Inclining to the Southward
10 1 1			
12 1 1			
2 3			Middle part Moderate and Clear
4 3 1			At 10 Am took in the fore top. Sails and flying top
6 5 1			At 11 took 2 reef in the Main Sail and fore Sail
8 8 1			Latter part fresh breeze and clearing
10 8			
12 7 1	Diff	Diff	No Observation to Day

Time	Course	Wind	Remarks
17 23 91	26	27	45 46
14 50			2 06

Time	Course	Wind	Remarks
2 8	West	South	Remarks on Monday Oct 23 1882
4 7			This 2 hours Begins with fresh breeze and hard rain
6 7			At 2 Pm Began the gill and hard. The Main sail
8 7			At 6 the Wind Came round to the Westward and
10 7			hustle under 2 reef fore sail and 2 reef main
12 2			35 fathoms of Water on Grand Bank
2 2			Middle part fresh breeze and a Large sea
4 2			With Squalls of rain
6 2			At 4 Pm Wore ship to the Southward and fresh
8 2			and a heavy sea set the Bullam. Main sail at
10 2			Cublice fathoms Way to Leeward and Store
12 2			Latter part fresh breeze and Squalls of rain
			head coming off the fore sail gave way to it
			him again
			No Observation to Day

Time	Course	Wind	Remarks
18 02 33	6	32	45 52
			14 82



6	2
9	2
11	2
12	2
13	2
14	2
15	2
16	2
17	2
18	2
19	2
20	2
21	2
22	2
23	2
24	2
25	2
26	2
27	2
28	2
29	2
30	2
31	2
32	2
33	2
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36	2
37	2
38	2
39	2
40	2
41	2
42	2
43	2
44	2
45	2
46	2
47	2
48	2
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71	2
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76	2
77	2
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80	2
81	2
82	2
83	2
84	2
85	2
86	2
87	2
88	2
89	2
90	2
91	2
92	2
93	2
94	2
95	2
96	2
97	2
98	2
99	2
100	2

Letter from Horatio and Caroline to William Lloyd Garrison

1. Ball, Anne P. 5-11-1884

S. 80	56	1182
-------	----	------

HK HK *Boyd's* *Remarks on* *Thamnidia* *July 8, 1838*

83	W. L. S. M. W. W.	the 2nd house. 2nd highest building. 1st house.
93	W. L. S. M. W. W.	the 1st house. 1st highest building. 1st house.
63	W. L. S. M. W. W.	the 1st house. 1st highest building. 1st house.
01	W. L. S. M. W. W.	the 1st house. 1st highest building. 1st house.

[illegible]

Lately part of water used for drying & employed in fine;  
to other churning about the ripole

[illegible]

	Barren	Ranunculus on Thursday October 9, 1788.
	Oct 5	This flower requires the most careful attention with giving it water at 10 o'clock of the forenoon

8900 East  
8900 West  
8900 North

From Cape to the water and from the River to the  
to the Southward. The second part of fishermen  
Running down

Let's just make sure we have all the bits.

Left	100	11:00	170.20
Left	100	11:00	170.20







Went to see Sunday October 17 1888

255

13

2017

462

Sept. 23rd 1894

[illegible]

Richard Wheatland



Mon this m Days	Course	Distance	Diff. Lat	Depth	Lat	Long	Diff. Lat	Long
Thursday 6	S 37 East	94	1:15	57	41-77	57	1:17	68:45
Friday 7	S 46 W	63	1:02	7	40:15	64	0:10	68:38
Saturday 8	S 49 W	72	47	55	39:22	5	1:12	69:33
Sunday 9	S 30 W	71	1:21	35	38:27	40	1:5	70:40
Monday 10	S 61 W	110	51	101	37:31	141	2:9	72:47
Tuesday 11	S 65 W	87	37	78	36:53	119	2:7	74:56
Wednesday 12	S 4 W	86	1:25	62	35:25	212	8	74:48
Thursday 13	S 16 W	19	1:18	57	35:07	218	77	74:55
Friday 14	S 10 W	17	10	36	34:49	215	2 East	74:51
Saturday 15	S 45 W	88	1:12	62	33:46	277	1:15	76:06
Sunday 16	S 71 W	88	28	83	33:23	365	1:11	77:47
Monday 17	S 62 W	51	24	45	32:59	410	1:21	79:08
Tuesday 18	S 57 W	55	30	46	32:29	455	1:26	80:34

Journal of an intended Voyage from Laramie  
 Towards Larimah in the good Brig  
 Vispach Putman Char. Master to take My  
 Debarter from Halfway Rock being on the  
 Halfway Rock Lat 42:35 Long 70:00 West  
 Larimah Lat 31:5 N Long 81:17 West  
 Wednesday November 5th 1888 at in the afternoon  
 All hands on Board and moved Ship and came to the  
 With the Wind at S W and Clear







443 yards of Cambric at 5<sup>1</sup>/<sub>2</sub> p<sup>r</sup>

548 yards of Broad Cloth at 1<sup>1</sup>/<sub>2</sub> p<sup>r</sup>

1296 yards of Cloth at 1<sup>1</sup>/<sub>2</sub> p<sup>r</sup>

496 gallons Citron Water at 1<sup>1</sup>/<sub>2</sub> p<sup>r</sup> Gall<sup>n</sup>

82<sup>1</sup>/<sub>2</sub> Ells of Fine Holland at 2<sup>1</sup>/<sub>2</sub> p<sup>r</sup> Ell



[illegible]



Remark on May 30 1782  
 The ship being full of provisions and  
 having a fair wind and fine weather  
 we sailed at 10 o'clock for the  
 North Sea. The wind being  
 from the North East and the  
 weather being fair and clear.

The fore sail was hoisted and  
 the ship sailed on. The wind  
 being from the North East and  
 the weather being fair and clear.

Lat in  $54^{\circ} 41' 35''$  North

Wind	Diff	Lat	Dep	Long	Diff	Long	Lat
107	220	70	41:35	115	112:05	121:30	

Remark on Sunday May 1<sup>st</sup> 1782  
 This 24 hours began with a  
 fair wind and fine weather.

The ship being full of provisions and  
 having a fair wind and fine weather  
 we sailed at 10 o'clock for the  
 North Sea. The wind being  
 from the North East and the  
 weather being fair and clear.

Latter part of fresh breeze and  
 attended with light  
 Lat in  $55^{\circ} 33'$  North

Wind	Diff	Lat	Dep	Long	Diff	Long	Lat
173	158	163	1553	1:43	1:51	15:17	

Remark on Friday May 2<sup>nd</sup> 1782  
 This 24 hours began with a  
 fair wind and fine weather.

The ship being full of provisions and  
 having a fair wind and fine weather  
 we sailed at 10 o'clock for the  
 North Sea. The wind being  
 from the North East and the  
 weather being fair and clear.

Latter part fine breeze and  
 attended with light

Lat  $56^{\circ} 40'$  North  
 The ship being full of provisions and  
 having a fair wind and fine weather  
 we sailed at 10 o'clock for the  
 North Sea. The wind being  
 from the North East and the  
 weather being fair and clear.



of brandy at 747 1/2 Gallons

11 by 19 and 13 by 16

12 1/2 at 10 1/2

12 1/2 at 11 1/2 to

12 1/2 4 6 8 6

2 1/2 3 1 0

2 1/2 10 0 0

9 1/2 of Tobacco at 11 1/2 to

9 1/2 4 7 1

12 1/2 1 0 8 3

12 1/2 1 0 8 3

12 1/2 1 0 8 3

2 1/2 10 1/2

596 Gallons of Spirits at 5 1/2 Gallons

\$59 12 1/2 12

444 Yards of Cambric at 5 1/2 1/2 1/2



6 1/2

What Amounts 120

$$\begin{array}{r} 210 \overline{) 2113} \\ 10515 \end{array}$$

What Amounts 5

$$\begin{array}{r} 20 \overline{) 17048} \\ 851048 \end{array}$$

246 Yards of Ribbon at 27 1/2

$$\begin{array}{r} 20 \overline{) 6116} \\ 30580 \end{array}$$

249 Ells of Linen at 14 1/2

$$\begin{array}{r} 62 = 3 \\ 31 = 1/2 \\ 20 \overline{) 98 = 4 3/4} \\ 40 = 2 \end{array}$$

24 Yards of Cloth at 7 1/2

68 1/2

272 Gallons Rum at 68 1/2

216 Yards of Cloth at 2 1/2

$$\begin{array}{r} 431 \\ 108 \\ 108 \\ 210 \overline{) 556} \\ 2718 \end{array}$$



Course & Time				Remarks on Monday
2	6			The first part of this 24 hours
4	6			of Wind and Clear Weather
6	7			at 1 PM Set 2 Light Main
8	7			Main Sail and Flying
10	7			
12	7			Little part fresh breeze
2	6	1		at 1 PM Set 2 Light Main Sail
4	6			
6	5	1		Little part fresh breeze
8	5	1		
10	6	1		Little part
12	7			Little part

Course & Time				Remarks on Tuesday
2	7			This 24 hours begin with the fresh breeze
4	6	1		on cloudy & S. W. breeze then Main
6	6			
8	5	1		Little part fresh breeze
10	6			
12	8			at 1 PM Set 2 Light Main Sail
2	5	1		Little part
4	5	1		Little part
6	5			
8	6			
10	4	1		Little part
12	4	1		Little part

Course & Time				Remarks on Wednesday
2	3			This 24 hours begin with the moderate and cloudy
4	3			at 1 PM Set 2 Light Main Sail
6	2	1		Little part
8	2			
10	Calms			
12	1	1		Little part
2	2	1		Little part
4	3	1		Little part
6	2	1		Little part
8	3	1		Little part
10	3			
12	3	1		Little part



Remains on Thursday April 24th 1782  
 11 hours begin moderate cloudy all sails set  
 12 o'clock in the fore top sail and flying tiller still  
 Motion But a Large Sea from the SE

1 o'clock took a boat in the main sail and fore sail  
 2 o'clock began to rain in the main sail and tiller was more  
 3 o'clock the fore sail fresh breeze and cloudy  
 4 o'clock the main sail again in the fore at a 2 o'clock set the  
 5 o'clock the main becomes and foggy  
 6 o'clock the fore cloudy set the flying tiller

Latitude 42° 33' North

Dep	Lat by Pk	Diff	Diff of Long	Long
20	42° 20'	13'	28'	61° 53'

Wind Remarks on Friday April 25th 1782  
 1 o'clock 12 hours begin with a fine breeze and breeze  
 2 o'clock in the flying tiller 1 o'clock set the flying tiller  
 3 o'clock Again the moderate

1 o'clock fresh breeze breeze and large sea  
 from the Southward

6 o'clock 56° 5'

Later part fresh breeze and foggy

So clear to Day

Dep	Lat by Pk	Mer Distance	Diff of Long	Long
61° 48'	42	43° 15'	633	1° 45'

Wind Remarks on Saturday April 26th 1782  
 1 o'clock South This 12 hours begin with a fine breeze and foggy

1 o'clock fresh breeze and foggy 1 o'clock set  
 top sail

Later part the same breeze and foggy set

So clear to Day

Dep	Lat by Pk	Mer Distance	Diff of Long	Long
61° 48'	42	43° 15'	633	1° 45'



Example

The Latitude 56. 50. North is given for Bath  
and she is then found by Observation  
South. Required the Error the Sun is in  
again

The Sun is found to be 11. 40. the Equator  
from the Latitude 56. 50.  
Subtract the 11. 40. from 56. 50.  
And the rem. is 45. 10.



Cape

1770  
1771  
1772  
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1795  
1796  
1797  
1798  
1799  
1800

Sim. B. 10

[illegible]

100

Sept. 2  
The present  
of  
work at  
the  
place.  
The repairs

A faint, dotted line map on aged paper, showing a network of paths or roads. The map is oriented diagonally. Handwritten text is visible along the paths, including "90.00" and "90.00" in the upper left, "10.00" in the upper right, and "9.00" in the lower left. The paper is heavily stained and discolored.

39.22  
 50 38







... from Virginia to ...  
 ... from Cape  
 Lat 37. 00 N Long 75. 24 W from which

... 17th 1728  
 ...  
 ...  
 ...  
 ...

...  
 ...  
 ...  
 ...  
 ...

Lat 37. 32 North

Diff	Lat	Long	Lat	Long	Lat	Long
14. 32	139	3. 00	139	20. 34	12. 30	12. 30

... on Sunday 1st 20th 1728  
 ...  
 ...  
 ...

866

...  
 ...  
 ...  
 ...  
 ...

Lat 38. 55 North

Diff	Lat	Long	Lat	Long	Lat	Long
14. 32	139	3. 00	139	20. 34	12. 30	12. 30







on Sept. 6. 1788

Wind Moderate and Cloudy all Sail set

Running South by East from the 2nd Meridian

Remarks on the 6th day May 7<sup>th</sup> 1788

Wind at 10 AM. 8. 87 1/2

Running to the Westward

at 10 AM. 8. 87 1/2

at 10 AM. 8. 87 1/2

at 10 AM. 8. 87 1/2

at 10 AM. 8. 87 1/2

at 10 AM. 8. 87 1/2

at 10 AM. 8. 87 1/2

at 10 AM. 8. 87 1/2

at 10 AM. 8. 87 1/2

at 10 AM. 8. 87 1/2

at 10 AM. 8. 87 1/2

at 10 AM. 8. 87 1/2

at 10 AM. 8. 87 1/2

at 10 AM. 8. 87 1/2

at 10 AM. 8. 87 1/2

at 10 AM. 8. 87 1/2

at 10 AM. 8. 87 1/2

at 10 AM. 8. 87 1/2

at 10 AM. 8. 87 1/2

at 10 AM. 8. 87 1/2

at 10 AM. 8. 87 1/2

at 10 AM. 8. 87 1/2

at 10 AM. 8. 87 1/2

at 10 AM. 8. 87 1/2

at 10 AM. 8. 87 1/2

at 10 AM. 8. 87 1/2

at 10 AM. 8. 87 1/2

at 10 AM. 8. 87 1/2

at 10 AM. 8. 87 1/2

at 10 AM. 8. 87 1/2

at 10 AM. 8. 87 1/2

at 10 AM. 8. 87 1/2

at 10 AM. 8. 87 1/2

at 10 AM. 8. 87 1/2



Remarked on Friday May 9th 1788

2 3 1 6 58 15 1/2  
 4 6 1  
 6 7 1  
 8 7 1 55 8  
 10 5 8 1/2  
 12 4 1/2  
 2 1/2  
 4 1/2  
 6 5 1 6 1/2  
 8 5 1  
 10 5 1  
 12 4 1

Ship at anchor 15 miles  
 Took in the fore part of the  
 15 miles in rain 10 to  
 Sailed for sail house  
 Rain at 8 o'clock the ship  
 Middle part of the ship  
 the ship and have some under  
 when some rain in the sail  
 a little of the rain sail house moderate  
 Ending to the Westward  
 Latter part Moderate and Clear Let the reef down

Latt in 132 Old 53:31

Cour Diff Lat D	Lat by Sea	Mer Diff	Diff Lat	Long in
842512 4.24 75	53.21	20.05	2.05	28:27

Remarked on Saturday May 10th 1788

2 4 1 6 1/2 15 1/2  
 4 4 1  
 6 6  
 8 7  
 10 7 1  
 12 7 1  
 2 7 1  
 4 7  
 6 6  
 8 6 1  
 10 6 1  
 12 6 1

Ship at anchor 15 miles  
 Took in the fore part of the  
 15 miles in rain 10 to  
 Sailed for sail house  
 Rain at 8 o'clock the ship  
 Middle part of the ship  
 the ship and have some under  
 when some rain in the sail  
 a little of the rain sail house moderate  
 Ending to the Westward  
 Latter part Moderate and Clear Let the reef down

Cross Sea Latt in 132 Old 55:14

Cour Diff Lat D	Lat by Sea	Mer Diff	Diff Lat	Long in
842512 1.23 123	55.14	21.29	3.20	25:07

Remarked on Sunday May 11th 1788

2 6 1 6 1/2 15 1/2  
 4 6 1  
 6 5  
 8 4  
 10 4  
 12 7  
 2 7  
 4 7  
 6 7  
 8 7  
 10 7  
 12 7

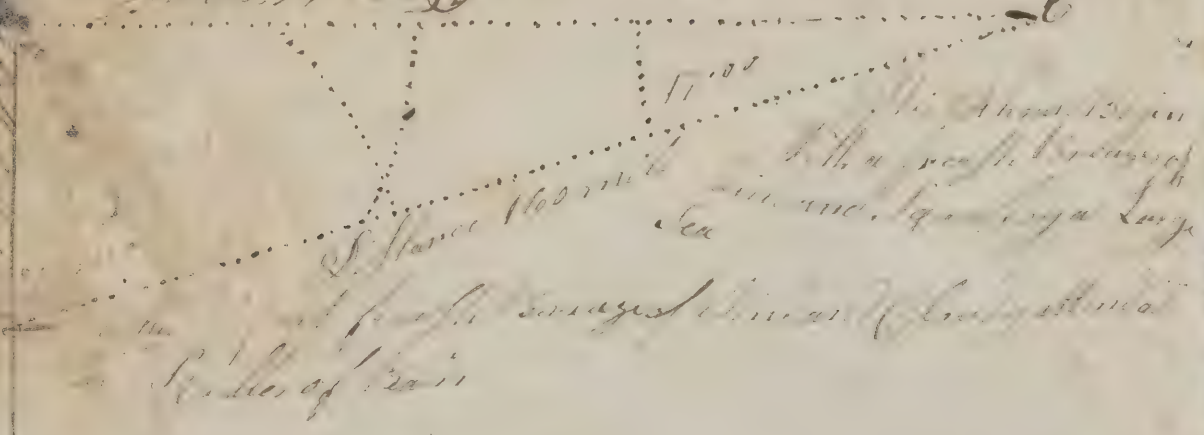
Ship at anchor 15 miles  
 Took in the fore part of the  
 15 miles in rain 10 to  
 Sailed for sail house  
 Rain at 8 o'clock the ship  
 Middle part of the ship  
 the ship and have some under  
 when some rain in the sail  
 a little of the rain sail house moderate  
 Ending to the Westward  
 Latter part Moderate and Clear Let the reef down

Latter part of the ship

Cour Diff Lat D	Lat by Sea	Mer Diff	Diff Lat	Long in
842512 1.23 123	56:30	22:07		



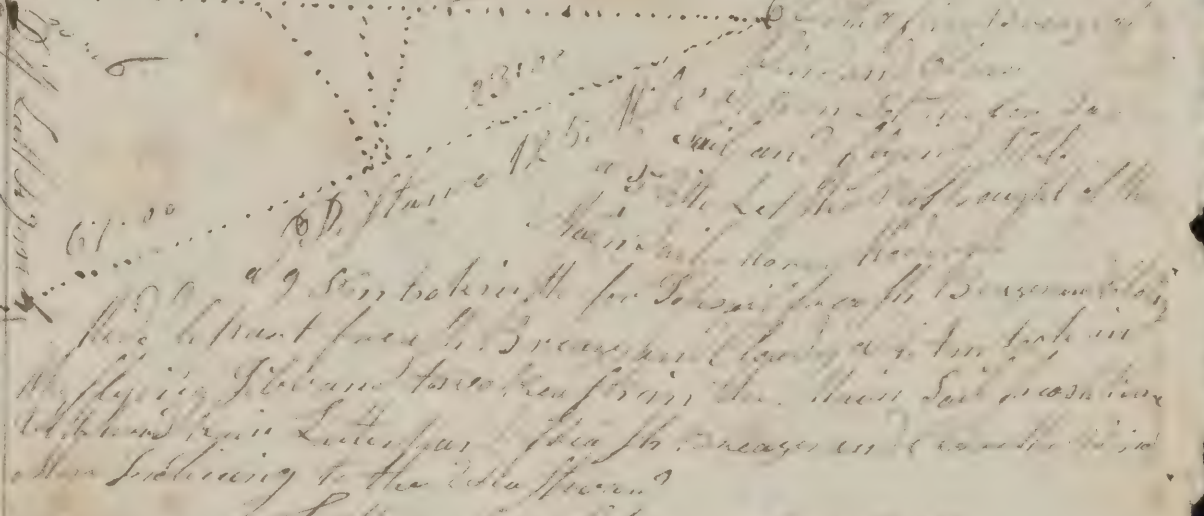
Remarks on Sunday May 18 1788  
 June 5 1788



Lat. 54. 11. 00. North  
 Long. 11. 00. 00. West

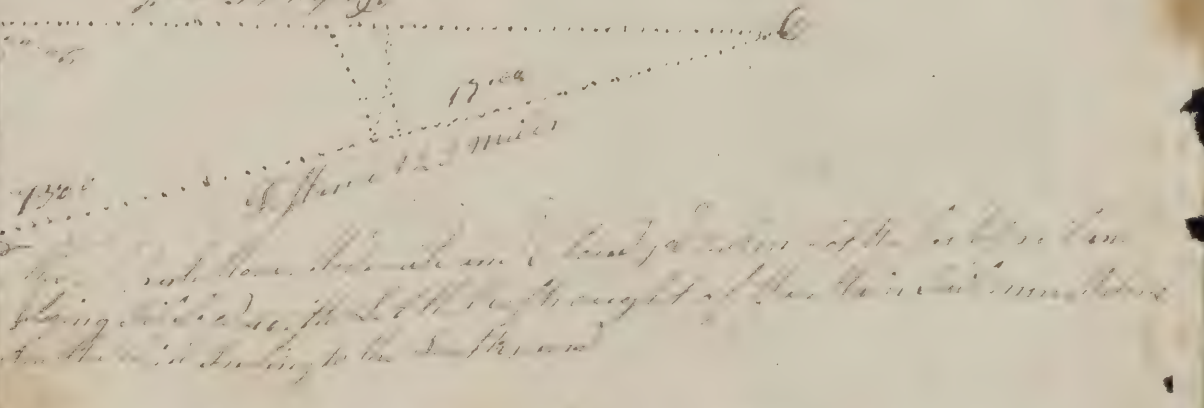
Lat. by D.	Mer. Dist.	Diff. of Long.	Long. by D.
54. 11. 00.	11. 00. 00.	11. 00. 00.	11. 00. 00.

Remarks on Sunday May 18 1788  
 June 5 1788



Lat. by D.	Mer. Dist.	Diff. of Long.	Long. by D.
58. 06. 00.	11. 00. 00.	11. 00. 00.	11. 00. 00.

Remarks on Sunday May 18 1788  
 June 5 1788



Remarks on Sunday May 18 1788  
 June 5 1788

Remarks on Sunday May 18 1788  
 June 5 1788







This 24 hours begins with a Rose. The Rose is a sign of  
the Church. The Church is a sign of the Kingdom of God.  
The Kingdom of God is a sign of the Kingdom of Christ.  
The Kingdom of Christ is a sign of the Kingdom of God.

26. It took in the flying fish on the 20th of July  
1891. It was seen on the 20th of July.

Wm. Michael Hays, Home Howard Lane, New York

x 4 911 moved Ship to the Southward - Capt. Rogers on board

Later, Port freight charges and Cloning with a haul. See

Left Alhambra 59:50. V.

2. 2. 1911	10	Lat. 49° 50'	Long. 122° 10'	10
------------	----	--------------	----------------	----

Remained on Sunday May 12<sup>th</sup> 1828

L L 1 South 759 *Tamias* sp. light brown. Capin. Dittw. from Br. of windward  
side of a head sea.

the first South River and foggy with a large sea

44 E. from Saw the Last Scanning S & D. Passed 7. Miles

in. Booka. Doyenstrum, Sawak Bauru to London, many

Let the flying kite, a robot for work it. Move the cart on.  
Clear all sails, not back ship, to the front run.

Swiss. Port. H. exat. an. athen. with flying. leaves. at. 1st, 2nd

Lat Observed in 59:03 Long.

1	8/4/57	Latt	92	Latt (G.D.R.)	Per L. Han	F. J. of Livingston	Longman	in
2	1/17	8	57:02	954	14	8.22	L. 22	L. 22

Remarks on Sunday May 25<sup>th</sup> 1788

This 4 hours Begins in Moderate Breeze, some Clouds, and a cold Sea

No 811 the Eastmost Island Bona. Day 8. Light house - 1290

Am. La. Large Shell from the Westwarda & Hickok in the

Following the Moderation a good few

*Thur. 40 m. 47*

2. The Le part Modernisme Chinois

to the relief of Inclining Hore to the

at 7.45 Set the force to sail and flying free.

Latter Part give Bureaus in Treasury all Sailed Sat

Lat. Cl.  $59^{\circ} 22'$  North.

7794	Rediffusa	Dr. J. G. Long's Longitudinal in	65
7795	237-1	1/10	100



Course Wind Remarks on Wednesday May  
 2 1 1 S S E Light This 24 hours began with a fine breeze  
 4 4 1 20 miles spoke a bridge from the island  
 6 4 1  
 8 2 1  
 10 1 1 S S E Light 13 miles to Port Moresby  
 12 1 1 40 miles the most distant of the  
 2 2 1 100 miles by 12 Distance 2 leagues  
 4 3  
 6 3  
 8 2 1 S E S S E From which I take new Departure  
 10 1 1 Lat 5.9.30 and Long of 1.38 West  
 12 3 1 Lat observed 59:15 South

Course	Diff	Diff	Lat	Dep	Lat by D R	Mer Distance	Diff	Longitude	Longitude in
S 20.06	17	184	59.15		5			1.28	

Course Wind Remarks on Thursday May 22<sup>nd</sup> 1788  
 2 4 S E S S E This 24 hours began with a fine breeze of light wind  
 4 4  
 6 4 S E 28 S by W 10 miles  
 8 4 1  
 10 1 S E S S E  
 12 1 1  
 2 4  
 4 4  
 6 8  
 8 8  
 10 8  
 12 4 S S E Light 23 miles to Port Moresby  
 Latter Part fine breeze and with small rain  
 From the ship to the Vase of Victory Course S 81 E Distance 17.7 miles  
 Diff of Lat 23 miles to Port Moresby 10 miles to Day

Course	Diff	Diff	Lat	Dep	Lat by D R	Mer Distance	Diff	Longitude	Longitude in
S 20.134	17	125	58.28		130			3.56	2.28

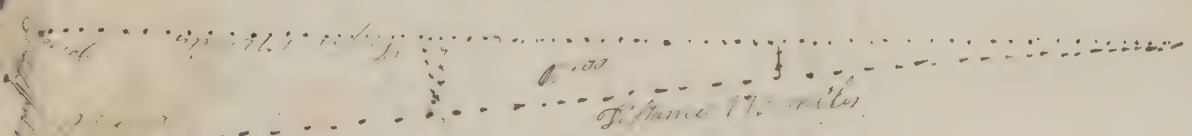
Course Wind Remarks on Friday May 23<sup>rd</sup> 1788  
 2 5 1 S S E Light The first part of this 24 hours began with a fine breeze of light wind  
 4 5 1  
 6 6  
 8 5  
 10 5  
 12 5  
 2 3 1  
 4 3 1  
 6 5  
 8 5  
 10 5  
 12 5 S S E 22.473  
 Latter Part a fine breeze of light wind  
 Several sails in sight  
 Lat in Alt 37:37

Course	Diff	Diff	Lat	Dep	Lat by D R	Mer Distance
S 20.2	118	51	107		57:37	237



Remarks on Saturday May 24<sup>th</sup> 1780

A foggy Part of the night began with a fine Breeze of wind and clear  
 at 10 o'clock several Ships in Sight & 7 Bonfires the Vase of Victory Barring  
 & 2 others 5 Leagues



At 10 o'clock Part of the Breeze and Clouds all Ships at 10 AM saw the same  
 carrying 58 Guns & 2 Leagues distant in sight

Later D Part of the Breeze and Clouds in view in sight of the same

24 <sup>th</sup> 7	2.40 West	Observed 57° 53' South			
Course	Dist	Lat	Long	Mer Distance	Diff Longitude
24 <sup>th</sup> 7	16	172	57° 53'	410	53° 26'

At 10 o'clock May 24<sup>th</sup> 1780 at 2 PM saw the same haul to the Southward & clear the Kilmorye  
 showing very hard gale of wind and heavy with a large sea as with the same Mar of the  
 Castle Barring 58 Guns & 2 Leagues from SE & till the Castle Bar E & E  
 then the same and went in to the Northward of the S. Pilot came of the  
 we had got the same in sight then the Boat came a long side and Boat  
 she pulled to anchor a Brist of the tomorrow got a fast Shore to the Port  
 So ended the second Passage and thank God for yet







in Salem Passage in the Schooner Valley  
 was master from Gottenburg towards Salem  
 higher anchor and came to sea with the wind  
 Meridian the Winger bore S E Distance 6 Leagues  
 went in Company with Capt Burn and Capt Daves  
 Sub in Sight

			Courses	Wind	Remarks on Tuesday September 2 1788
2	3		NW	2 <sup>nd</sup> S 2 <sup>nd</sup>	This 24 hours Begin Moderate and Clear Day & Pin the
4	2	1			Wind began to the Westward & pin tack Ship to the
6	1		SE	West	Southward took in the fore & sail fresh Breeze in
8	3	1			Cloudy with Small Rain & Pin
10	1		NW	2 <sup>nd</sup> S 2 <sup>nd</sup>	Master land Castle Bore & Ely
12	3	1	NW	2 <sup>nd</sup> S 2 <sup>nd</sup>	Dist 4 Leagues from which I take my Depart
2	3	1			do pin tack Ship to the Northward. Middle part
4	3	1	SE	West	fresh Breeze with Pin tack Ship to the Southward
6			SE	West	flying file latter part fresh Breeze and Cloudy and
8	3	1			4 Leagues Sea at Meridian tack Ship to the Southward
10	3				
12	3				

Lat Observed in 58:25 North

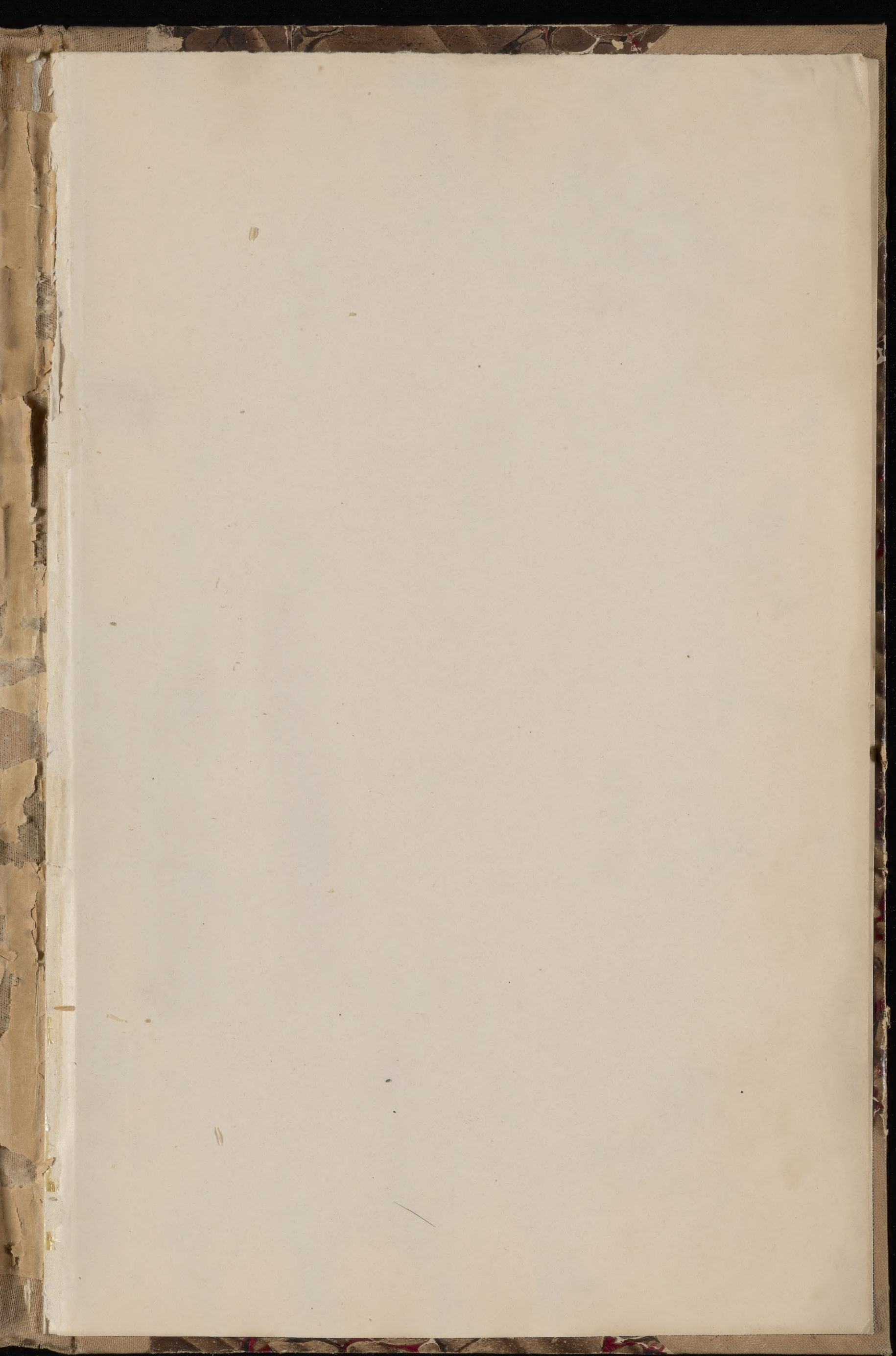
Courses	Diff	Lat Depart	Lat by Dr	Mer Dist	Diff of Long	Long in
NW	50	31	29	58 24	39	59
						10 26 East

			Courses	Wind	Remarks on Wednesday Sept 3 1788
2	3	1	SW	West	This 24 hours Begin with the fresh Breeze in Cloudy
4	1	1			do 6 pin tack Ship to the Northward
6	2		SE	NW	do 7 pin tack Ship to the Southward
8	1		SE	NW	do 9 pin tack Ship to the Southward
10	3	1	SE	NW	do 10 pin tack Ship to the Southward
12	3	1	SE	NW	do 11 pin tack Ship to the Southward
2	3	1	SE	NW	do 12 pin tack Ship to the Southward
4	3	1	SE	NW	do 13 pin tack Ship to the Southward
6	3	1	SE	NW	do 14 pin tack Ship to the Southward
8	3	1	SE	NW	do 15 pin tack Ship to the Southward
10	3	1	SE	NW	do 16 pin tack Ship to the Southward
12	3	1	SE	NW	do 17 pin tack Ship to the Southward

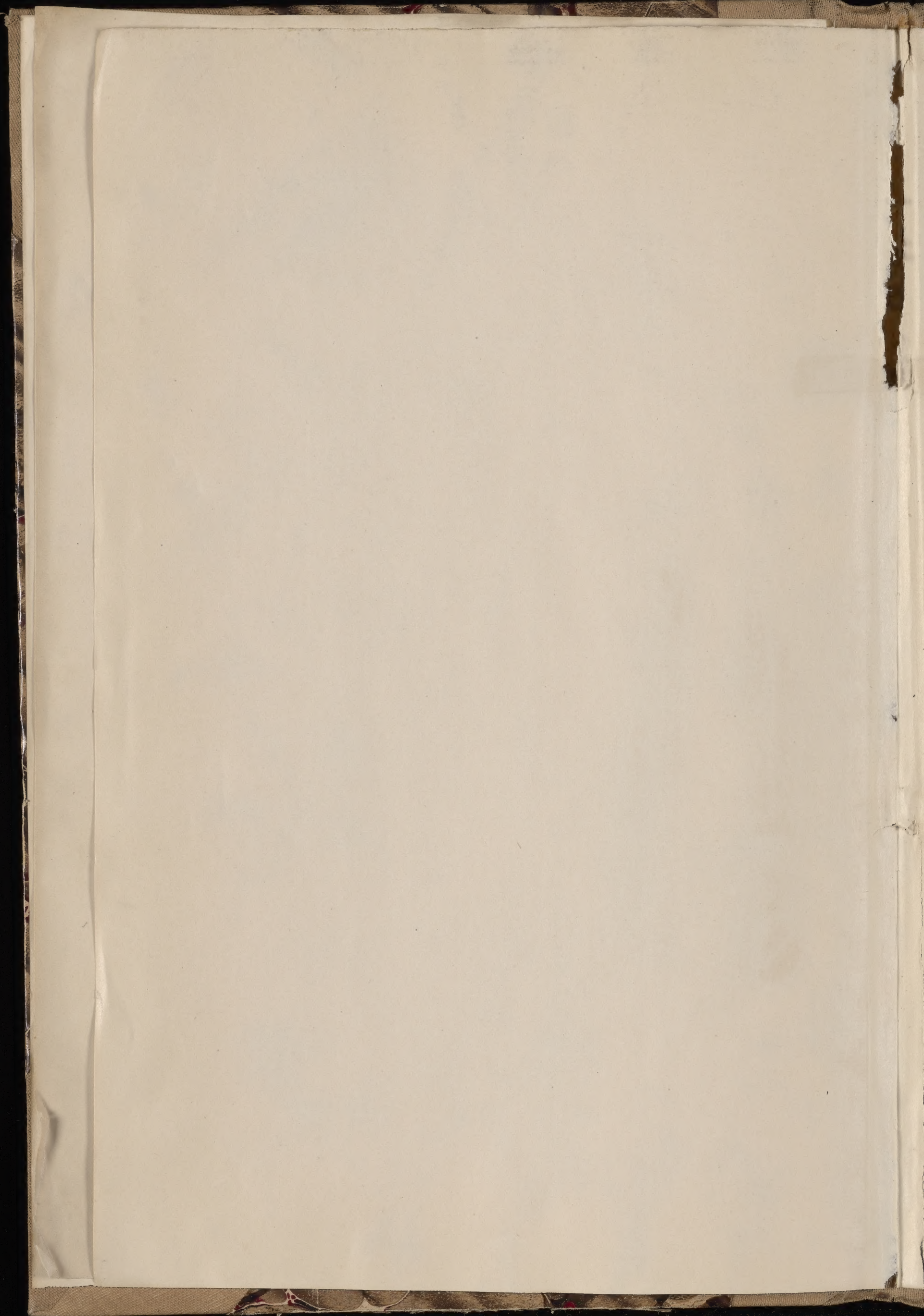
Lat Observed in 57:52 North

Courses	Diff	Lat Depart	Lat by Dr	Mer Dist	Diff of Long	Long in
SW	50	31	29	57 30	70	1:05
						9:41











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